

ABSTRACT

A method and device for rapidly changing at least one of the temperature and the state of a liquid in a container is provided. The container is rapidly rotated about its longitudinal axis. A source of a thin film of a medium having a different temperature than the liquid in the container is provided to thermally affect the container while rotating the container. The container is positioned at an angle to the horizontal of less than 45°, and the position of the container with respect to the thin film source is controlled by angling the axis of the container skewed from the axis of the rotating mechanism. The device can be used to cool liquids such as beverages, warm liquids such as infant formula, and/or make ice cream.